



AN ALMANACK FOR THE YEAR OF OUR LORD GOD, 1670.



Being the second after Bissextile or Leap-year. By M. F. Philomath.

January hath xxxi days.	February hath xxviii days.	March hath xxxi days.	April hath xxx days.	May hath xxxi days.	June hath xxx days.
1st Quarter 4 day, past 9 bef. noon. New Moon 11 day, past 1 after noon. First quarter 18 day, past 5 in morn. Full Moon 25 day, past 8 at night.	1st Quarter 3 day, past 3 in the morn. New Moon 9 day, past 11 at night. First quarter 16 day, past 5 at night. Full Moon 24 day, past 5 at night.	1st Quarter 4 day, past 5 after noon. New Moon 11 day, past 9 bef. noon. First quarter 18 day, past 7 in morn. Full Moon 26 day, past 11 bef. noon.	1st Quarter 3 day, past 2 in the morn. New Moon 9 day, past 6 bef. noon. First quarter 16 day, past 10 at night. Full Moon 25 day, past 1 in the morn.	1st Quarter 2 day, past 9 bef. noon. New Moon 9 day, past 3 in the morn. First quarter 16 day, past 4 after noon. Full Moon 24 day, at 3 after noon. 1st Quarter 31 day, past 3 after noon.	1st Quarter 7 day, 7 min. past noon. New Moon 15 day, past 9 in morn. Full Moon 23 day, past 1 in morn. 1st Quarter 29 day, past 7 at night.
1st Circ. Chr. birtg 8 4 Cold 2nd 2 after Chr. birtg 8 3 wind, 3rd 3 Octab. John. birtg 8 2 snowy 4th 4 Octab. Ianoc. birtg 8 0 and 5th 5 Simon. birtg 7 59 freezing 6th 6 Epiphanie birtg 7 58 air. 7th 7 Julianus birtg 7 57 8th 8 Julianus birtg 7 55 Rain or 9th 9 1st. Epiph. birtg 7 54 snow. 10th 10 Sun in Aquar. birtg 7 52 11th 11 birtg 7 51 Frost & 12th 12 birtg 7 50 snow. 13th 13 Hilary birtg 7 48 Rain or 14th 14 birtg 7 47 snow. 15th 15 birtg 7 46 Fair and 16th 16 2nd. Epiph. birtg 7 45 clear. 17th 17 birtg 7 43 18th 18 birtg 7 42 Windy 19th 19 birtg 7 40 & cold. 20th 20 Octab. Hil. birtg 7 38 Fair and 21st 21 birtg 7 36 fealou- 22nd 22 birtg 7 34 like. 23rd 23 3rd. Epiph. birtg 7 32 Wind 24th 24 birtg 7 30 with 25th 25 Conv. Paul. birtg 7 28 snow, 26th 26 birtg 7 26 rain, or 27th 27 birtg 7 24 hail. 28th 28 birtg 7 22 A mild- 29th 29 birtg 7 20 A mild- 30th 30 birtg 7 18 Sepuag 31st 31 birtg 7 16 Storms.	1st birtg 7 15 Fair 2nd 2 Pur. of Mary birtg 7 14 wind. 3rd 3 Craft. Purif. birtg 7 12 Snow 4th 4 birtg 7 10 or rain. 5th 5 birtg 7 8 Frost & 6th 6 birtg 7 6 snow or 7th 7 birtg 7 4 rain. 8th 8 birtg 7 2 Snow 9th 9 birtg 7 0 or rain. 10th 10 birtg 6 58 Rain- 11th 11 birtg 6 56 like. 12th 12 birtg 6 54 Moilt. 13th 13 birtg 6 52 but 14th 14 birtg 6 50 warm 15th 15 birtg 6 48 warm 16th 16 birtg 6 46 for the 17th 17 birtg 6 44 time. 18th 18 birtg 6 42 Windy 19th 19 birtg 6 40 wet. 20th 20 birtg 6 38 Vari- 21st 21 birtg 6 36 able. 22nd 22 birtg 6 34 23rd 23 birtg 6 32 Cold air. 24th 24 birtg 6 30 Cloudy. 25th 25 birtg 6 28 hail like 26th 26 birtg 6 26 High 27th 27 birtg 6 24 Winds. 28th 28 birtg 6 22 Showers	1st birtg 6 20 Cloudy 2nd 2 birtg 6 18 & cool. 3rd 3 birtg 6 15 Some 4th 4 birtg 6 13 Storms. 5th 5 birtg 6 11 Windy. 6th 6 birtg 6 9 7th 7 birtg 6 7 Rain-li 8th 8 birtg 6 5 Windy. 9th 9 birtg 6 3 Cloudy 10th 10 birtg 6 1 cool. 11th 11 birtg 5 58 Moist 12th 12 birtg 5 56 wind. 13th 13 birtg 5 54 Fair & 14th 14 birtg 5 52 tempe- 15th 15 birtg 5 50 rate. 16th 16 birtg 5 48 Windy 17th 17 birtg 5 46 weather 18th 18 birtg 5 44 Fair 19th 19 birtg 5 42 & good 20th 20 birtg 5 40 21st 21 birtg 5 38 Good 22nd 22 birtg 5 36 weather 23rd 23 birtg 5 34 24th 24 birtg 5 32 Wind & 25th 25 birtg 5 30 clouds 26th 26 birtg 5 28 27th 27 birtg 5 26 Rain or 28th 28 birtg 5 24 clouds. 29th 29 birtg 5 22 clouds. 30th 30 birtg 5 20 31st 31 birtg 5 18 Wind.	1st Good-friday. birtg 5 15 Good 2nd 2 birtg 5 13 weather 3rd 3 birtg 5 11 at Ea- 4th 4 birtg 5 9 ker. 5th 5 birtg 5 7 Very 6th 6 birtg 5 5 windy. 7th 7 birtg 5 3 Fair. 8th 8 birtg 5 1 Rain. 9th 9 birtg 4 59 Storms 10th 10 birtg 4 57 of hail 11th 11 birtg 4 55 or rain. 12th 12 birtg 4 53 Indiffe. 13th 13 birtg 4 51 Cold & 14th 14 birtg 4 49 windy. 15th 15 birtg 4 47 Some 16th 16 birtg 4 45 rain. 17th 17 birtg 4 43 18th 18 birtg 4 41 Fine 19th 19 birtg 4 39 pleasant 20th 20 birtg 4 37 weather 21st 21 birtg 4 35 to the 22nd 22 birtg 4 33 23 day. 23rd 23 birtg 4 31 Rain. 24th 24 birtg 4 29 Mild. 25th 25 birtg 4 27 Tres P. 26th 26 birtg 4 25 showers 27th 27 birtg 4 23 wind. 28th 28 birtg 4 21 Clouds. 29th 29 birtg 4 19 Mild. 30th 30 birtg 4 17 Wet.	1st birtg 4 21 Wind, 2nd 2 birtg 4 19 the 1, & 3rd 3 birtg 4 17 4 day. 4th 4 birtg 4 16 5th 5 birtg 4 14 Warm. 6th 6 birtg 4 13 Milling. 7th 7 birtg 4 11 Hail-li. 8th 8 birtg 4 9 Windy. 9th 9 birtg 4 7 Cloudy 10th 10 birtg 4 5 & cold. 11th 11 birtg 4 3 Hotter. 12th 12 birtg 4 1 Fair & 13th 13 birtg 3 59 good. 14th 14 birtg 3 57 Wind 15th 15 birtg 3 55 & thun- 16th 16 birtg 3 53 der. 17th 17 birtg 3 51 Obscure 18th 18 birtg 3 49 fair. 19th 19 birtg 3 47 chunder 20th 20 birtg 3 45 Fair. 21st 21 birtg 3 43 Rain-li. 22nd 22 birtg 3 41 Good 23rd 23 birtg 3 39 weather 24th 24 birtg 3 37 at whi- 25th 25 birtg 3 35 fontide. 26th 26 birtg 3 33 & after. 27th 27 birtg 3 31 Fair. 28th 28 birtg 3 29 Windy. 29th 29 birtg 3 27 Charles Return. 30th 30 birtg 3 25 Thun- 31st 31 birtg 3 23 der-like	1st birtg 3 46 2nd 2 birtg 3 44 Moist 3rd 3 birtg 3 42 air. 4th 4 birtg 3 40 Tempe- 5th 5 birtg 3 38 rate. 6th 6 birtg 3 36 Cloudy 7th 7 birtg 3 34 Fair 8th 8 birtg 3 32 Wind 9th 9 birtg 3 30 & rain. 10th 10 birtg 3 28 Heat 11th 11 birtg 3 26 12th 12 birtg 3 24 13th 13 birtg 3 22 14th 14 birtg 3 20 15th 15 birtg 3 18 16th 16 birtg 3 16 17th 17 birtg 3 14 18th 18 birtg 3 12 19th 19 birtg 3 10 20th 20 birtg 3 8 21st 21 birtg 3 6 22nd 22 birtg 3 4 23rd 23 birtg 3 2 24th 24 birtg 3 0 25th 25 birtg 2 58 26th 26 birtg 2 56 27th 27 birtg 2 54 28th 28 birtg 2 52 29th 29 birtg 2 50 30th 30 birtg 2 48 31st 31 birtg 2 46

A plain and easie Table, shewing the true time of the beginning, continuance, and years since the reign of each King and Queen in England, from the Conquest untill this present year, 1670.

The Kings Names.	Began their Reigns.	Reigned Y. M. D.	Since their Reign.
W. Conqueror	1066 Oct. 15	20 11 20	583 Sept. 9
W. Rufus	1087 Sept. 9	12 11 19	570 Aug. 2
Henry 1.	1100 Aug. 1	35 4 1	535 Dec. 1
Stephen	1135 Dec. 2	18 11 18	516 Oct. 25
Henry 2.	1154 Oct. 25	34 9 1	481 July 6
Richard 1.	1189 July 6	9 9 0	471 April 6
King John	1199 April 6	17 6 0	454 Oct. 19
Henry 3.	1216 Oct. 19	56 1 0	398 Nov. 17
Edward 1.	1272 Nov. 16	54 8 6	363 July 7
Edward 2.	1307 July 7	19 7 5	343 Jan. 25
Edward 3.	1327 Jan. 25	50 7 29	293 Jun. 21
Richard 2.	1377 Jan. 21	22 3 14	271 Sept. 29
Henry 4.	1399 Sept. 29	33 6 3	257 Mar. 20
Henry 5.	1412 Mar. 20	9 5 24	248 Aug. 31
Henry 6.	1422 Aug. 31	28 6 8	210 Mar. 4
Edward 4.	1460 Mar. 4	11 8 18	187 April 9
Edward 5.	1483 April 9	0 2 18	187 Jun. 22
Richard 3.	1483 Jun. 22	2 2 5	185 Aug. 22
Henry 7.	1485 Aug. 22	23 10 2	161 April 22
Henry 8.	1509 April 22	37 10 2	123 Jan. 28
Edward 6.	1547 Jan. 28	6 5 10	117 July 6
Qu. Mary	1553 July 6	5 4 22	112 Nov. 17
Qu. Elizabeth	1558 Nov. 17	14 4 16	68 Mar. 24
King James	1603 Mar. 24	22 0 3	45 Mar. 27
Ch. 1.	1625 Mar. 27	23 10 3	22 Jan. 30
Ch. 2.	1649 Jan. 30		Whom God preserve.

Of the Eclipses this Year.

Although there be four Eclipses this year, yet there will but one of them be visible to us in England; and that is an Eclipse of the Moon on the nineteenth day of September.

It beginneth with us at Cambridge, at 19 minutes past one of the Clock in the morning. The middle of it is near three quarters of an hour past two; and the end will be twelve minutes past four: so that the whole time (from first to last) is two hours and 53 minutes.

And note, That the parts or digits eclipsed will be nine, with about 33 minutes more; the Sun being then in the sixth degree of Libra, and the Moon in the like degree of Aries.

Times prohibiting MARRIAGE this Year.

MARRIAGE comes in on the 13 day of January, and at Septuagesima Sunday is out again until Low Sunday; at which time it comes in again and goes not out till Rogation Sunday: thence it is forbidden until Trinitie Sunday: from whence it is unforbidden till Advent Sunday: but then it goes out, and comes not in again till the 13 day of January next following.

The Anatomy of Mans Body.

To find the time of the Tides in a more exact manner than heretofore.

Days after the Change, or Full, the Moon is South as

0	1	2	3	4	5	6	7
12	12	48	1	36	24	12	4
0	4	14	4	5	36		

Days after either of the Quarters, the Moon is South as

0	1	2	3	4	5	6	7
6	6	48	7	36	8	24	10
0	4	14	4	5	36		

First find the new moon, full, or quarter, in the Kalender; then count how many days are past either of those, and under the same number of days past; you shall here see the time that the moon will be south the same day: Then look for the Haven or Port you desire, and where the hours and quarters stand before the time, there it is high-water (so many hours and quarters before the time above found): But where the hours and quarters stand after the place, there it is high-water so long after the time first found.

As for example:
The Moon being five days past the change, and so five days old, I find in the table, that five days after the change the Moon is South at four a clock, which makes full sea at Quinborough, Southampton, &c. But at Plymouth, Dover, Harwich, an hour and an half sooner: that is, at two a clock and thirty minutes: but at London, Tinnmouth, and Amsterdamm, three hours after.

H. Quare. Quinborough, Southampton, Portsmouth, Wellis.
Rye, Calice, Callor, Winchelsea, Goring.
Yarmouth, Buloigne, Dover, Harwich, Wight.
Needles, Deep, Casket, Luss, Lenox, Oxford, Laytho.
Orkney-pool, Orwell, S. Helen, Flee, Bames, Bmbdon.
Port-land, Peter-port, Harflew, Hague, Blanch.
Milford, Bridgewater, Northcote, Exwater, Taxell.
Brifkoll, Lanion, Foulness.
Lin. Hamb. Waymouth, Plimmouth, Anzw.
Aberdeen, Redban, Rochester, Malden, West of Nore.
Graveland, Downs, Romney, Tenet, Ramkins.
Dundee, S. Andrews, Libion, Silly, Maze, S. Lucas.
London, Tinnmouth, Harle-pool, Amsterdamm, Glasgoin.
Barwick, Ostend, Scarb. Fount, Flamborow, Flushing.
Frith, Leith, Dunbar, Lawr. Bloy, Monih. Egmon.
Falmoth, Foy, Garnley, Severn-mouth, Waterford.

A plain and easie Table shewing the true interest due upon any sum of money, from five shillings to an hundred pounds for a year or under, after the rate of six pence in the hundred.

Mon.	3 Mon.	6 Mon.	9 Mon.	A year
5	0 10 0	0 20 0	0 30 0	0 40 0
10	0 20 0	0 40 0	0 60 0	0 80 0
15	0 30 0	0 60 0	0 90 0	1 00 0
20	0 40 0	0 80 0	1 20 0	1 20 0
25	0 50 0	1 00 0	1 40 0	1 40 0
30	1 00 0	1 20 0	1 60 0	1 60 0
35	1 10 0	1 40 0	1 80 0	1 80 0
40	1 20 0	1 60 0	2 00 0	2 00 0
45	1 30 0	1 80 0	2 20 0	2 20 0
50	1 40 0	2 00 0	2 40 0	2 40 0
55	1 50 0	2 20 0	2 60 0	2 60 0
60	2 00 0	2 40 0	2 80 0	2 80 0
65	2 10 0	2 60 0	3 00 0	3 00 0
70	2 20 0	2 80 0	3 20 0	3 20 0
75	2 30 0	3 00 0	3 40 0	3 40 0
80	2 40 0	3 20 0	3 60 0	3 60 0
85	2 50 0	3 40 0	3 80 0	3 80 0
90	3 00 0	3 60 0	4 00 0	4 00 0
95	3 10 0	3 80 0	4 20 0	4 20 0
100	3 20 0	4 00 0	4 40 0	4 40 0